Data Structures

Practical 8

Objective:

WAP to Implement Linear Search algorithm.

Code:

```
#include <iostream>
using namespace std;

int main()
{
	int n,s,flag=0;
	cout << "Enter No. of Elements: ";
	cin >> n;
	int arr[n];
	cout << "Enter Elements: ";
	for (int i = 0; i < n;i++){
		cin>>arr[i];
		}
	cout << "Enter Element to be searched: ";
		cin>>s;

		for (int i = 0; i < n;i++){
			if (arr[i] == s){
```

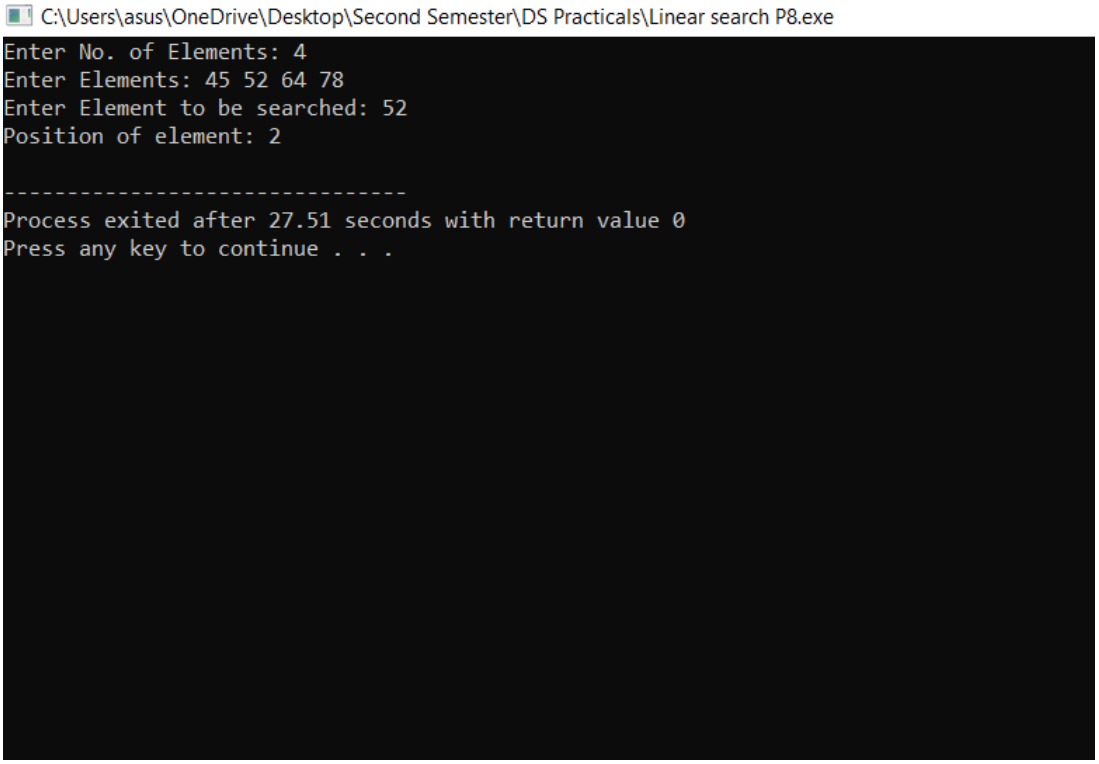
```
            flag = i+1;
            break;

        }
        else
        flag=0;
        }
        if (flag > 0){
            cout << "Position of element: "<<flag<<endl;
        }
        else{
            cout << "Element not found";
        }

        return 0;
}
```

Output:

Element found:



Element not found: